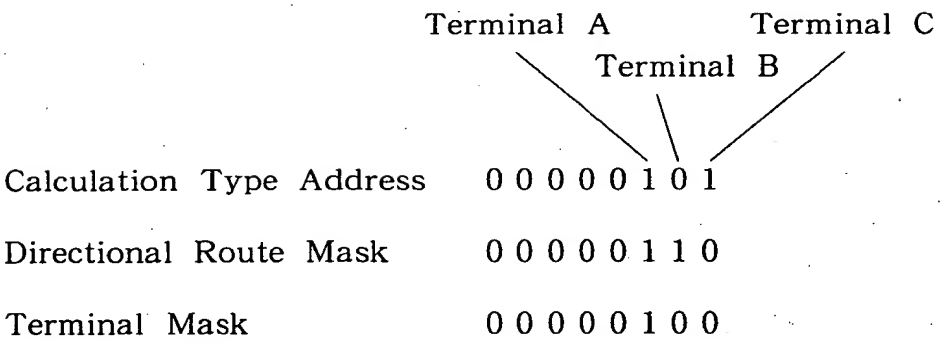

Terminal A
Terminal B
Terminal C
Calculation Type Address 0 0 0 0 0 1 0 1
Directional Route Mask 0 0 0 0 0 1 1 0
Terminal Mask 0 0 0 0 0 1 0 0

FIG.1

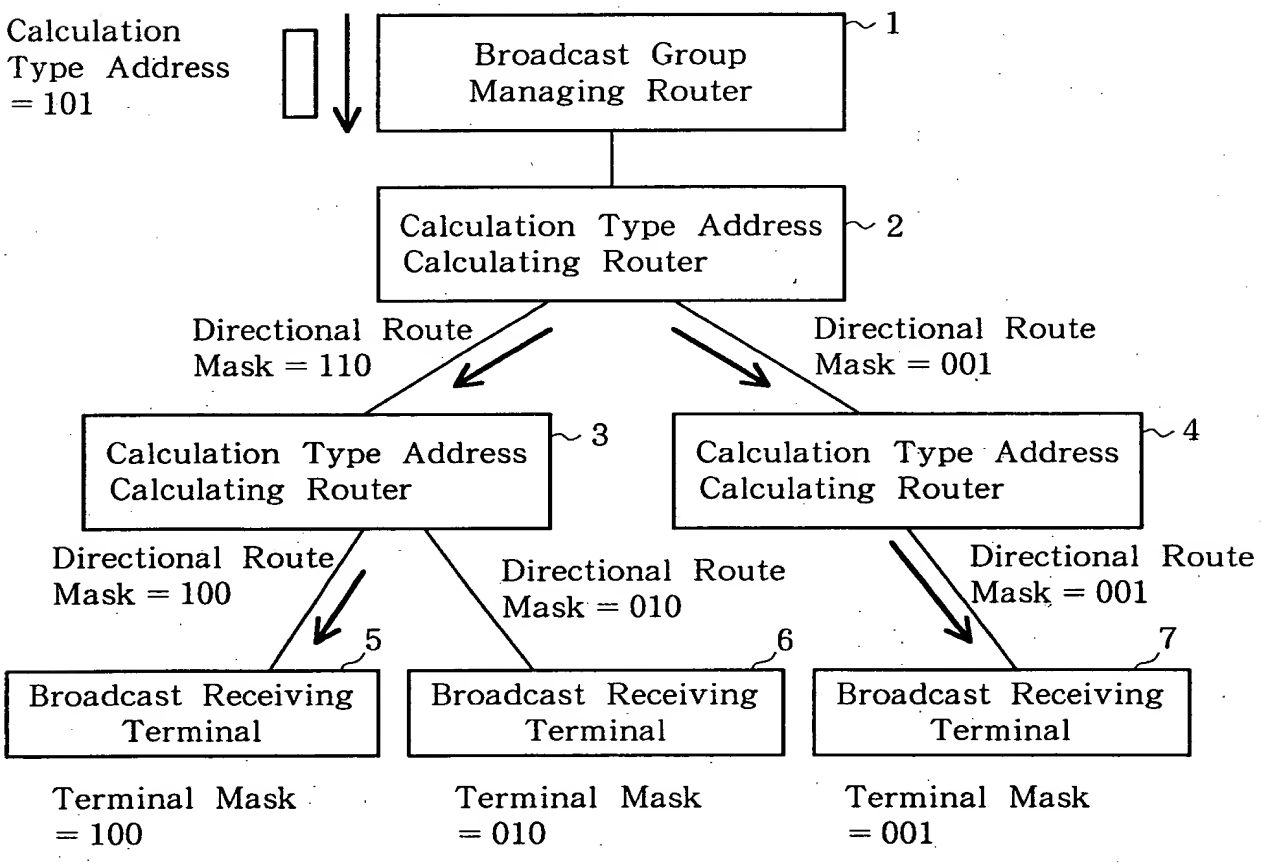

Calculation Type Address = 101
Broadcast Group Managing Router
1
Calculation Type Address Calculating Router
2
Directional Route Mask = 110
Directional Route Mask = 001
Calculation Type Address Calculating Router
3
Calculation Type Address Calculating Router
4
Directional Route Mask = 100
Directional Route Mask = 010
Directional Route Mask = 001
5
6
7
Broadcast Receiving Terminal
Broadcast Receiving Terminal
Broadcast Receiving Terminal
Terminal Mask = 100
Terminal Mask = 010
Terminal Mask = 001

FIG.2

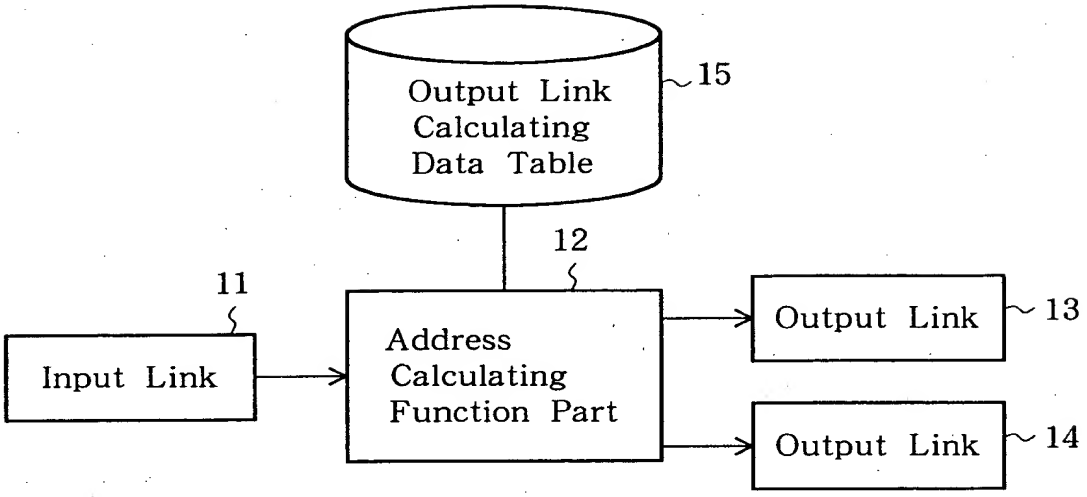


FIG.3

21 Output Link	22 Directional Route Mask
Output Link1	0 0 0 1 1 0
Output Link2	0 0 0 0 0 1

FIG.4

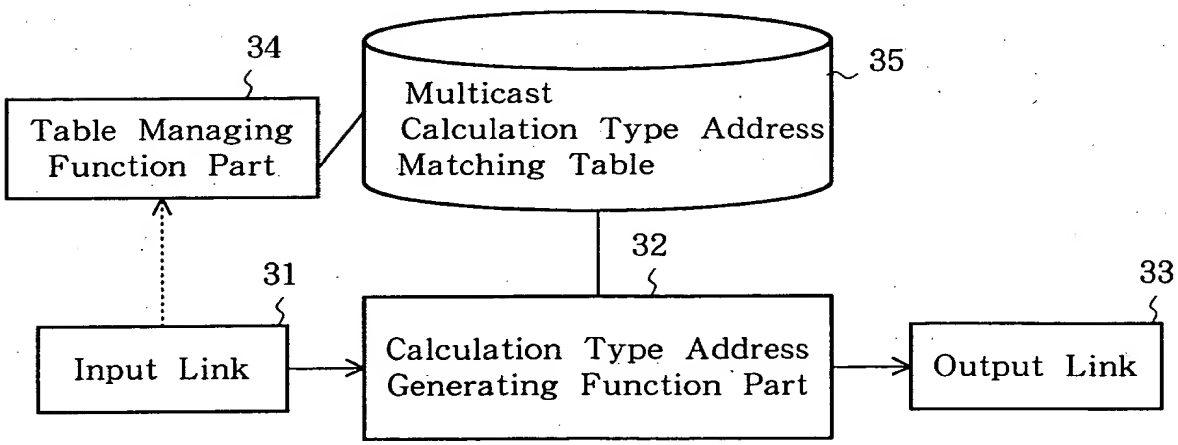


FIG.5

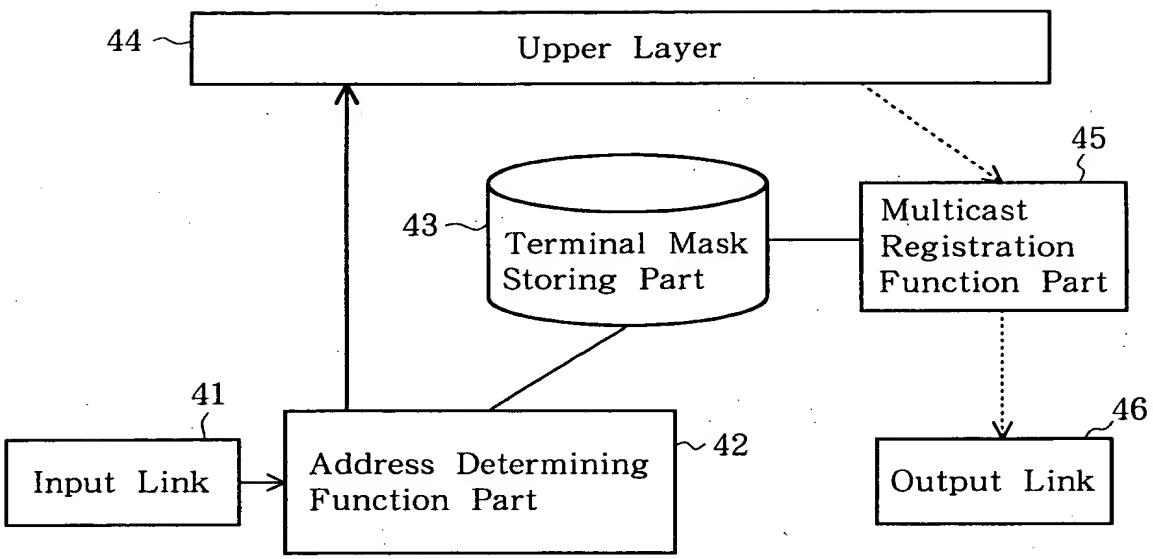


FIG.6

51 Multicast Address	52 Calculation Type Addres
A	1 0 1
B	1 0 0
C	0 1 1

FIG.7

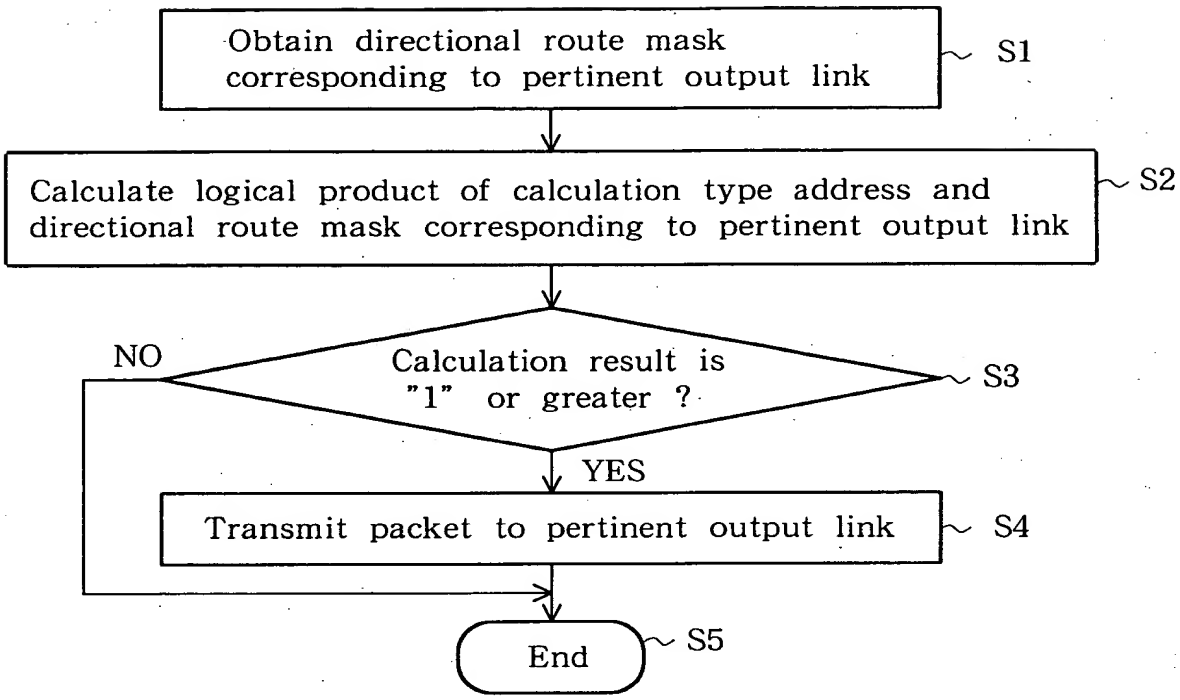

Obtain directional route mask corresponding to pertinent output link
S1
Calculate logical product of calculation type address and directional route mask corresponding to pertinent output link
S2
NO
Calculation result is "1" or greater ?
S3
YES
Transmit packet to pertinent output link
S4
End
S5

FIG.8

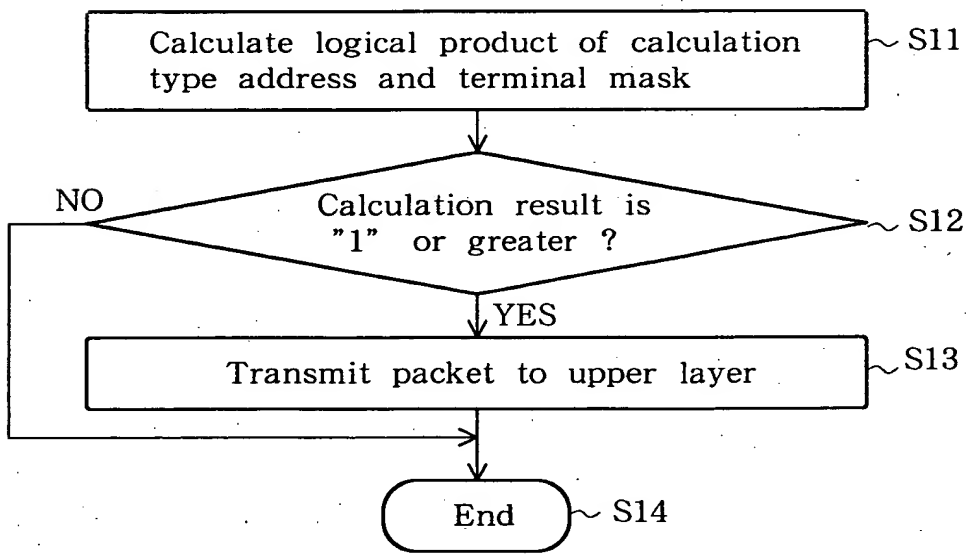

Calculate logical product of calculation type address and terminal mask
S11
NO
Calculation result is "1" or greater ?
S12
YES
Transmit packet to upper layer
S13
End
S14

FIG.9

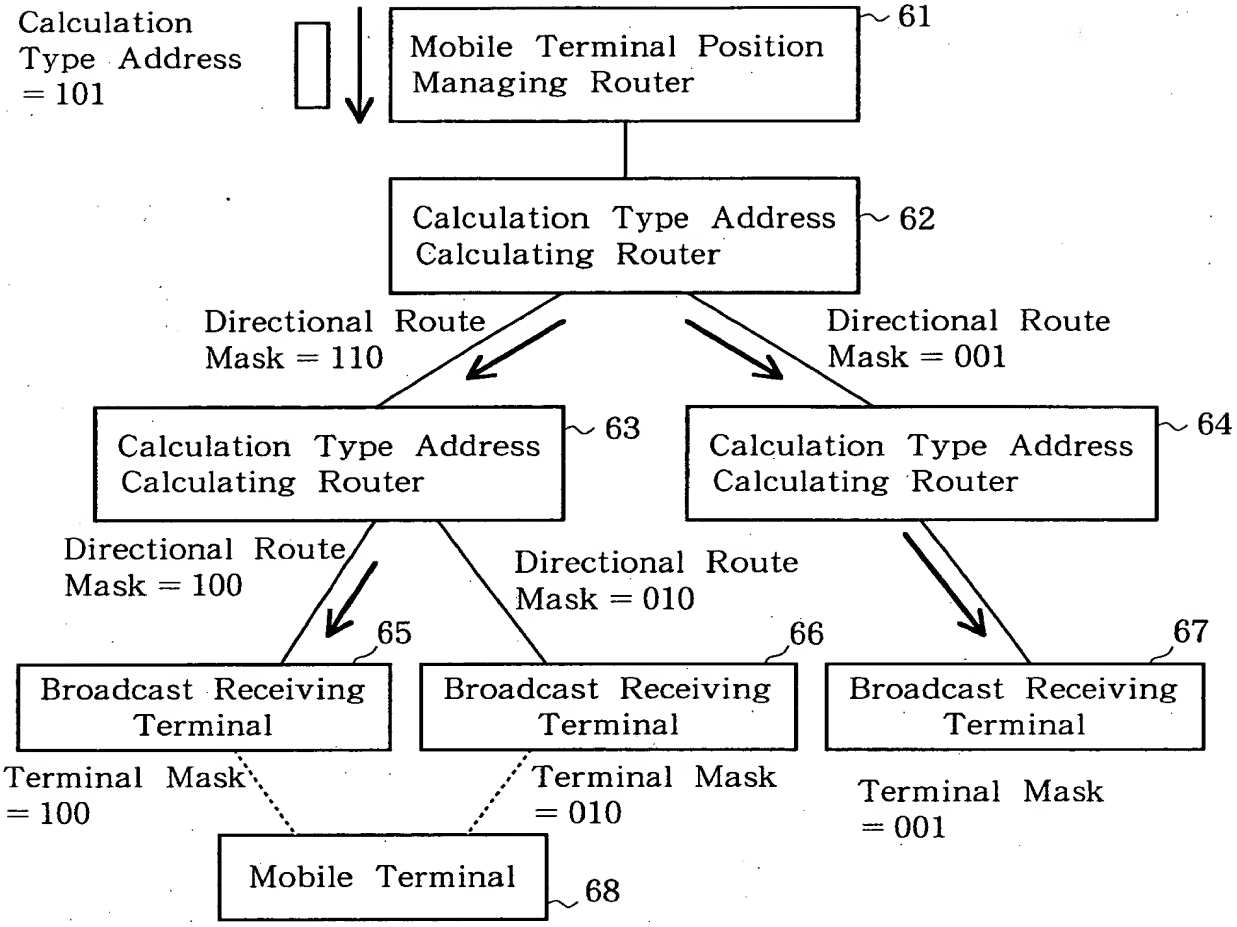

Calculation Type Address = 101
Mobile Terminal Position Managing Router
61
Calculation Type Address Calculating Router
62
Directional Route Mask = 110
Directional Route Mask = 001
Calculation Type Address Calculating Router
63
Calculation Type Address Calculating Router
64
Directional Route Mask = 100
Directional Route Mask = 010
65
66
67
Broadcast Receiving Terminal
Broadcast Receiving Terminal
Broadcast Receiving Terminal
Terminal Mask = 100
Terminal Mask = 010
Terminal Mask = 001
Mobile Terminal
68

FIG.10

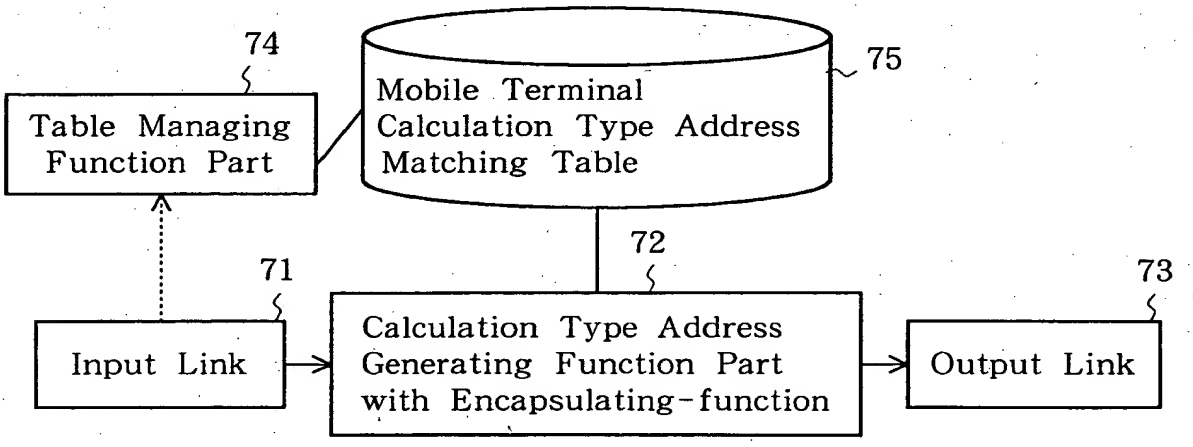

74
Table Managing Function Part
Mobile Terminal Calculation Type Address Matching Table
75
72
71
73
Input Link
Calculation Type Address Generating Function Part with Encapsulating-function
Output Link

FIG.11

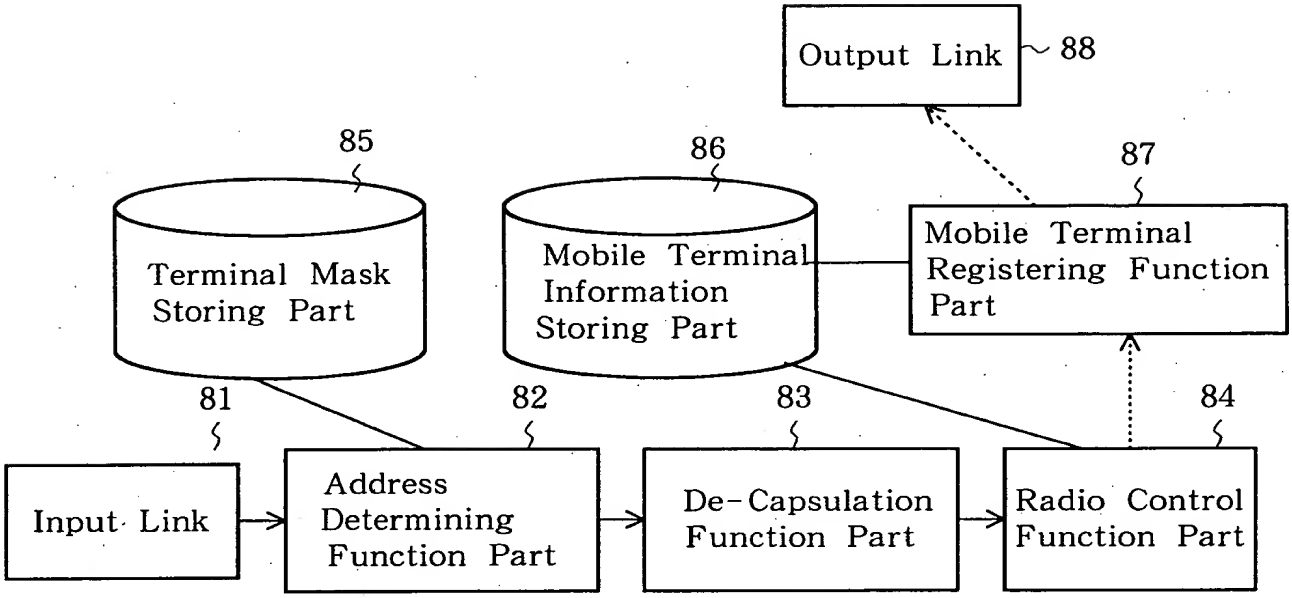
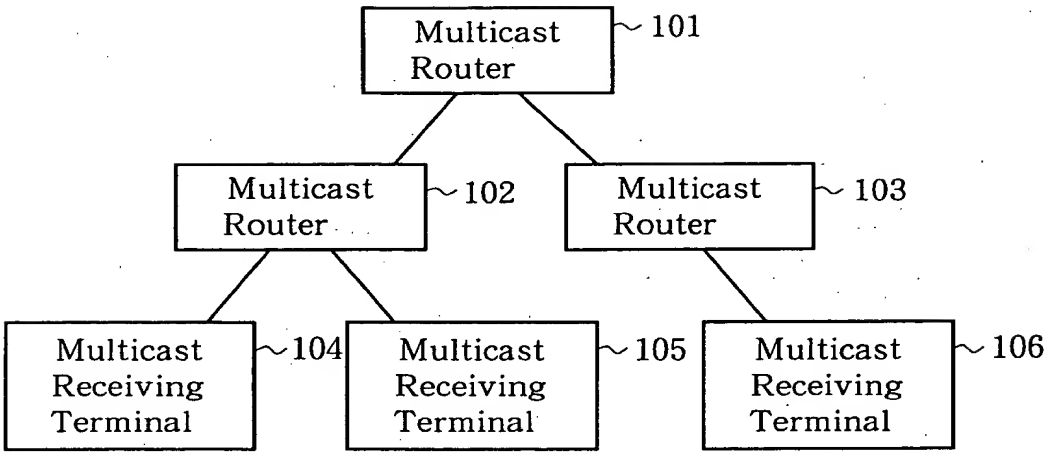


FIG.12

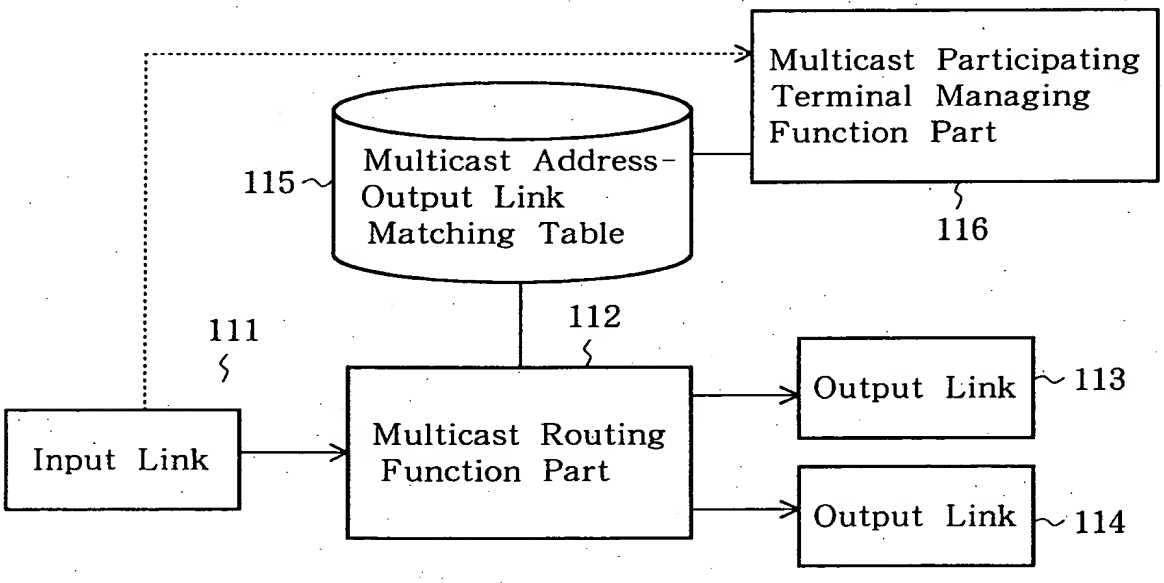
91 Mobile Terminal Address	92 Calculation Type Address
X	0 1 1
Y	1 1 0
Z	0 0 1

FIG.13



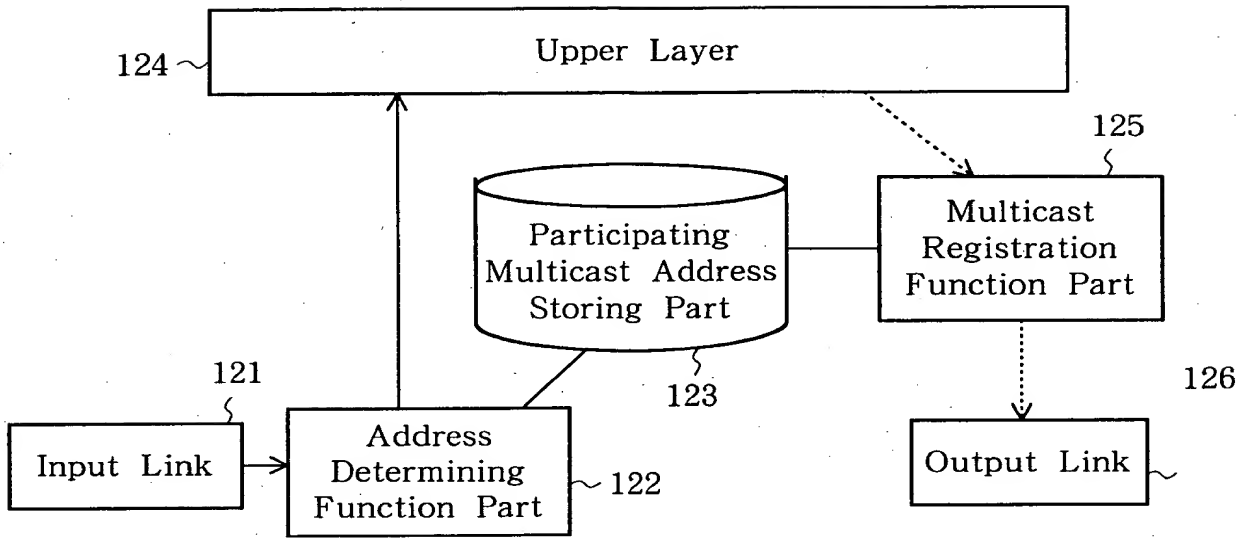
Prior Art

FIG.14



Prior Art

FIG.15



Prior Art

FIG.16

131 Multicast Address	132 Output Link
A	Output Link 1
B	Output Link 2
C	Output Link 1、Output Link 2
D	Output Link 2
.....	.....

Prior Art

FIG.17